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NOTICE OF ALLOWANCE AND FEE(S) DUE

513 7590 10/20/2008 WENDEROTH, LIND & PONACK, L.L.P. 2033 K STREET N. W.

SUITE 800 WASHINGTON DC 20006-1021 EXAMINER
GHYKA, ALEXANDER G

ART UNIT PAPER NUMBER
2812
DATE MAILED: 10/20/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.			
10/590,521	08/24/2006	Satoshi Takano	2006_1415A	1028			
TITLE OF INVENTION: SUBSTRATE PROCESSING APPARATUS							

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APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/20/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. In equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This is appropriate. All further c indicated unless corrected maintenance fee notificati	form should be used for orrespondence including d below or directed oth ons.	or transmitting the ISS ig the Patent, advance of terwise in Block 1, by					ould be completed where correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
WENDEROTH 2033 K STREET SUITE 800			T b	Cer	ificate of Ma	ailing or Transm	nission deposited with the United class mail in an envelope above, or being facsimile te indicated below.
WASHINGTON,	DC 20006-1021						(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	3	ATTORNEY	DOCKET NO.	CONFIRMATION NO.
10/590,521	08/24/2006		Satoshi Takano		2006_1415A		1028
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nonprovisional	NO	\$1510	\$300	\$0		\$1810	01/20/2009
EXAMI	NER	ART UNIT	CLASS-SUBCLASS	7			
GHYKA, ALE	XANDER G	2812	438-758000	-			
3. ASSIGNEE NAME AN	ation (or "Fee Address" for more recent) attach TO RESIDENCE DATA ass an assignee is identi in 37 CFR 3.11. Comp	'Indication form ed. Use of a Customer A TO BE PRINTED ON	THE PATENT (print or ty	ively, the firm (having as a agent) and the name orneys or agents. If the printed. The patent If an assignate assignment.	member a es of up to no name is ee is identifie	3	cument has been filed for
Please check the appropria	ate assignee category or	categories (will not be p	printed on the patent):	Individual Co	rporation or o	other private gro	up entity Government
4a. The following fee(s) as Issue Fee Publication Fee (No	o small entity discount p	permitted)	4b. Payment of Fee(s): (Plo A check is enclosed. Payment by credit or The Director is heretoverpayment, to Dep	ard. Form PTO-2038	is attached.	d fee(s), any def	
5. Change in Entity State a. Applicant claims	SMALL ENTITY statu	s. See 37 CFR 1.27.	b. Applicant is no lo				
NOTE: The Issue Fee and interest as shown by the re	ecords of the United Sta	tes Patent and Trademar	eu from anyone other than rk Office.	uic applicant; a regi	stereu attorne	y or agent; or the	assignee or other party in
Authorized Signature _				Date			
Typed or printed name				Registration N			
This collection of informa an application. Confidenti submitting the completed this form and/or suggestio Box 1450, Alexandria, Vi Alexandria, Virginia 2231	tion is required by 37 C ality is governed by 35 application form to the ns for reducing this bur rginia 22313-1450. DC 3-1450.	FR 1.311. The informat U.S.C. 122 and 37 CFR USPTO. Time will var den, should be sent to to 0 NOT SEND FEES OR	ion is required to obtain or R 1.14. This collection is e ry depending upon the ind the Chief Information Offic COMPLETED FORMS	retain a benefit by the stimated to take 12 revidual case. Any coper, U.S. Patent and OTHIS ADDRESS	ne public whi ninutes to comments on the Trademark O . SEND TO:	ch is to file (and mplete, including ne amount of tin ffice, U.S. Depa Commissioner f	by the USPTO to process) g gathering, preparing, and ne you require to complete riment of Commerce, P.O. or Patents, P.O. Box 1450,

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SUITE 800 WASHINGTON, DC 20006-1021			2812	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

Application No. Applicant(s) 10/590.521 TAKANO, SATOSHI Notice of Allowability Examiner Art Unit ALEXANDER G. GHYKA 2812

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative

- of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.
- This communication is responsive to amendment of 9/02/2008.
- 2. The allowed claim(s) is/are 1-8 and 11-14.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - b) ☐ Some* c) ☐ None of the: a) 🔯 All
 - 1. A Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No.
 - 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6.

DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. | Notice of References Cited (PTO-892)
- 2. Notice of Draftperson's Patent Drawing Review (PTO-948)
- Information Disclosure Statements (PTO/SB/08). Paper No./Mail Date 5/02/2008
- 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413), Paper No./Mail Date
- 7. ☐ Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- Other .

/Alexander G. Ghyka/

Primary Examiner, Art Unit 2812

Application/Control Number: 10/590,521

Art Unit: 2812

DETAILED ACTION

Allowable Subject Matter

Claims 1-8 and 11-14 are allowed.

The following is an examiner's statement of reasons for allowance: The closest orior art known to the Examiner is listed on the PTO 892 and IDS forms of record. With respect to Claims 1-8 and 11-13, none of the references or combinations thereof anticipate or make obvious, inter alia a control section that controls convey processing of substrates by the substrate convey apparatus so that in a case in which after a substrate is continuously processed by two or more process chambers, the process is re-conveyed from the last process chamber to any of the two or more process chambers other than the last and return processing is implemented, and in the reconveyance the substrate is conveyed to said any of the process chambers after being temporarily retracted to a place other than a process chamber, wherein the place to which the substrate is retracted is adapted to accomodate a number of substrates. with the number of substrates being equal to the number of substrates that can be processed at one time by all of said process chambers, and wherein, in a case in which the substrate process time in each of said two or more process chambers is equal. taking n as the number of process chambers subject to return processing and T as substrate convey time between processing chambers, the retraction used by the control section is {(n-1) * T }, and wherein said conveyor chamber is centrally disposed relative to said process chambers. Moreover, the cited prior art does not anticipate or make obvious, inter alia temporarily retracting the substrate to a place other than a processing Application/Control Number: 10/590,521

Art Unit: 2812

chamber during re-conveyance of the substrate, wherein the place to which the substrate is retracted is adapted to accommodate a number of substrates, with the number of substrates being equal to the number of substrates that can be processed at one time by all of said processing chambers, and wherein, in a case in which the substrate process time in each of said two or more processing chambers is equal, taking n as the number of processing chambers subject to return processing and T as the substrate convey time between processing chambers, the retraction time used by the control section is {(n-1) * T }, and wherein said conveyor chamber is centrally disposed relative to said process chambers.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ALEXANDER G. GHYKA whose telephone number is (571)272-1669. The examiner can normally be reached on Monday through Friday 9 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Garber can be reached on (571) 272-2194. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/590,521 Page 4

Art Unit: 2812

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AGG October 12, 2008

/Alexander G. Ghyka/ Primary Examiner, Art Unit 2812